

2834
PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Keiji TAKAHASHI et al.

Application No.: 09/891,222

Filed: June 26, 2001

Docket No.: 111343

For: VOLTAGE REGULATOR OF VEHICLE AC GENERATOR

SUBMISSION OF POWER OF ATTORNEY BY ASSIGNEE

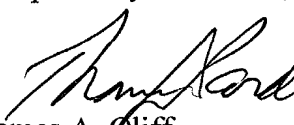
Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

Enclosed is a Power of Attorney by Assignee to be made of record in the above-identified application.

In the event of any nonpayment or improper payment of a required fee, the Director is authorized to charge or to credit OLIFF & BERRIDGE, PLC Deposit Account No. 15-0461 as required to correct the error.

Respectfully submitted,


James A. Oliff
Registration No. 27,075

Thomas J. Pardini
Registration No. 30,411

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JAO:TJP/kaw

Date: January 30, 2002

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

**DEPOSIT ACCOUNT USE
AUTHORIZATION**

Please grant any extension
necessary for entry;
Charge any fee due to our
Deposit Account No. 15-0461



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

POWER OF ATTORNEY BY ASSIGNEE

Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

Denso Corporation is the Assignee of the entire right, title and interest in the patent applications identified in the attached Appendix A by virtue of Assignments recorded at the locations identified in the Appendix. Additionally, Denso Corporation is the Assignee of the entire right, title and interest in the following three patent applications for which Assignments have been filed, but the original Assignments, indicating the dates and reel and frame numbers of recordation, have not yet been returned.:

<u>U.S. Patent Application No.</u>	<u>Filed</u>	<u>Inventors</u>
09/891,222	June 26, 2001	Keiji TAKAHASHI et al.
09/925,373	August 10, 2001	Naoki YAMAMOTO et al.
09/893,417	June 29, 2001	Makoto TANIGUCHI et al.

Copies of the Recordation Cover Sheets and executed Assignments as filed for these applications are attached hereto.

The undersigned is authorized to act on behalf of Denso Corporation; has reviewed the evidentiary documents in the chain of title; and certifies that to the best of the Assignee's knowledge and belief, title is in the Assignee.

Denso Corporation hereby revokes all prior powers of attorney and appoints the following as attorneys of record with full power of substitution and revocation to prosecute this application and all continuations and divisions thereof, and to transact all business in the Patent and Trademark Office:

James A. Oliff, Registration No. 27,075;
William P. Berridge, Registration No. 30,024;
Kirk M. Hudson, Registration No. 27,562;
Thomas J. Pardini, Registration No. 30,411;
Edward P. Walker, Registration No. 31,450;
Robert A. Miller, Registration No. 32,771;
Mario A. Costantino, Registration No. 33,565;
Stephen J. Roe, Registration No. 34,463;
Joel S. Armstrong, Registration No. 36,430;
Christopher W. Brown, Registration No. 38,025;
Richard E. Rice, Registration No. 31,560; and
Paul Tsou, Registration No. 37,956.

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ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION
SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, P.O. BOX 19928, ALEXANDRIA,
VIRGINIA 22320. TELEPHONE: (703) 836-6400.

Jan. 30, 2002
Date

Masashi Kaniya
Signature

Typed Name: Masashi Kaniya

Title: General Manager

APPENDIX A

<u>U.S. Patent Application Serial No.</u>	<u>Filed</u>	<u>Oliff & Berridge, PLC Docket No.</u>	<u>Reel/Frame No.</u>
09/736,251	December 15, 2000	111275	011366/0518
09/576,631	May 24, 2000	111338	010823/0867
09/620,906	July 20, 2000	111339	010954/0395
09/740,038	December 20, 2000	111340	011711/0918
09/742,292	December 22, 2000	111341	011654/0986
09/466,477	December 17, 1999	111347	010468/0948

Please return signed/recorded to:

Pillsbury Winthrop LLP

Intellectual Property Group
1100 New York Avenue, NW
Ninth Floor
Washington, DC 20005-3918

USA Patent Appn.
Sole or Joint

Forventions made outside USA
executed with or after application

Atty. Dkt. PW

60303-US-

SuS/nh

M#

Client Ref.

NONPROVISIONAL

ASSIGNMENT
OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT

NAME(S) OF
INVENTOR(S)

(1) Keiji TAKAHASHI

(3) Makoto TANIGUCHI

(5)

(2) Toshinori MARUYAMA

(4)

x box If continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT

NAME(S) OF
ASSIGNEE(S)
& ADDRESS(ES)

DENSO CORPORATION

1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF
INVENTION

VOLTAGE REGULATOR OF VEHICLE AC GENERATOR

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE → →

(Complete

line A, B and/or C)

(A) ☒ even date herewith

(B) ☐ on

(C) ☐ in U.S. Appn. No.

filed

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE → → The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTORS

1): Name: Keiji Takahashi
2): Name: Toshinori Maruyama
3): Name: Makoto Taniguchi
4): Name:
5): Name:

DATE SIGNED

June 29, 2001

June 29, 2001

June 29, 2001

WITNESSES

Hiroshi Ishida

Hiroshi Ishida

Hiroshi Ishida

Please return signed/recorded to:

Pillsbury Winthrop LLP
Intellectual Property Group
1100 New York Avenue, NW
Ninth Floor
Washington, DC 20005-3918

USA Patent Appln.
Sole or Joint

For inventions made outside USA
executed with or after application
Atty. Dkt. PW M# 57249-US-SN/nh
Client Ref.

NONPROVISIONAL

ASSIGNMENT
OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT

NAME(S) OF
INVENTOR(S)

(1) Naoki YAMAMOTO	(2) Makoto TANIGUCHI
(3) Hitoshi IRIE	(4)
(5)	<input type="checkbox"/> x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT

NAME(S) OF
ASSIGNEE(S)
& ADDRESS(ES)

DENSO CORPORATION

1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof, and all resulting patents, known as

TITLE OF
INVENTION

VOLTAGE CONTROL APPARATUS FOR VEHICLE AC GENERATOR

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE →

(Complete

line A, B and/or C)

(A) ☒ even date herewith

(B) ☐ on

(C) ☐ In U.S. Appln. No. _____

filed _____

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE → The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTORS

1): Naoki Yamamoto
Name: Naoki YAMAMOTO
2) Makoto Taniguchi
Name: Makoto TANIGUCHI
3) Hitoshi Irie
Name: Hitoshi IRIE
4) _____
Name: _____
5) _____
Name: _____

DATE SIGNED

August 6, 2001
August 6, 2001
August 6, 2001

WITNESSES

Hitoshi Irie
Hitoshi Irie
Hitoshi Irie

Please return signed/recorded to:

Pillsbury Winthrop LLP
Intellectual Property Group
1600 Tysons Boulevard
McLean VA 22102

USA Patent Appln.
Sole or Joint

For inventions made outside USA
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Atty. Dkt. PW 56759-US-SN/mo
M# Client Ref.

NONPROVISIONAL

ASSIGNMENT
OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT NAME(S) OF INVENTOR(S)	(1) Makoto TANIGUCHI (3) Koji TANAKA (5)	(2) Tomoya OKUNO (4) <input type="checkbox"/> x box if continued on page 2
-------------------------------------	--	--

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT NAME(S) OF ASSIGNEE(S) & ADDRESS(ES)	DENSO CORPORATION 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan
--	---

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF INVENTION	VEHICLE ALTERNATOR
-----------------------	--------------------

for which the undersigned executed an application for Letters Patents of the United States of America:

NOTE → → (A) ☒ even date herewith
(B) ☐ on _____
line A, B and/or C) (C) ☐ In U.S. Appln. No. _____ filed _____

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE → → The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTORS	DATE SIGNED	WITNESSES
1): <u>Makoto Taniguchi</u> Name: Makoto TANIGUCHI	<u>June 20, 2001</u>	<u>Hiroshi Sekida</u>
2): <u>Tomoya Okuno</u> Name: Tomoya OKUNO	<u>June 20, 2001</u>	<u>Hiroshi Sekida</u>
3): <u>Koji Tanaka</u> Name: Koji TANAKA	<u>June 21, 2001</u>	<u>Hiroshi Sekida</u>

BOX ASSIGNMENTS

RECORDATION FORM COVER SHEET

DO NOT USE FOR TRADEMARKS

PATENT APPLICATIONS & PATENTS ONLY

TO THE ASSISTANT COMMISSIONER OF PATENTS AND TRADEMARKS:
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. NAME OF CONVEYING PARTY(IES) (ASSIGNOR(S)):

1. Keiji TAKAHASHI

3. Makoto TANIGUCHI

5.

7.

2. Toshinori MARUYAMA

4.

6.

8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: DENSO CORPORATION

ADDRESS: 1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661 Japan

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)☒ ASSIGNMENT OF☒ WHOLE☐ PART INTEREST☒ ORIGINAL☐ FACSIMILE/PHOTOCOPY☐ CHANGE OF NAME☐ VERIFIED TRANSLATION☐ SECURITY ☐ MERGER☐ OTHER:

EXEC. DATE: June 29, 2001

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) June 29, 2001

4.5 APPL. NO.(S) OR PAT. NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NO

A. PAT. APP. NO.(S)

MF

1st INVENTOR

B. PATENT NO.(S)

MF

1st INVENTOR

series code/serial no.

09/891,222

281490

If not in Item 1

If not in Item 1

If not in Item 1

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

Pillsbury Winthrop LLP
Intellectual Property Group
1600 Tysons Boulevard
McLean, VA 22102

6. NUMBER INVOLVED:

APPLNS 1 + PATS 0 = TOTAL = 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)
ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT: Tel: (703) 905-2000

P 281490

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE
INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3875
UNDER ORDER NO 30954 281490

MATTER NO.

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CLIENT REF.

dup. sheet not required

CLIENT NO.

MATTER NO.

9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)

2

Signature

Attorney: Paul T. Bowen

Reg. No. 38009

Atty/Sec: PTB/vaw

TEL: (703) 905-2020

Date: October 29, 2001

FAX: (703) 905-2500

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1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):		2. Keiji TAKAHASHI	
1. Makoto TANIGUCHI		4.	
3. Toshinori MARUYAMA		6.	
5.		8.	
7.			
ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:			
NAME: DENSO CORPORATION			
ADDRESS: 1-1 Showa-cho, Kariya-city, Aichi-pref., 448-8681 JAPAN			
ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
3. NATURE OF CONVEYANCE (DOCUMENT):			
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<input checked="" type="checkbox"/> ORIGINAL		<input type="checkbox"/> FACSIMILE/PHOTOCOPY	
<input type="checkbox"/> CHANGE OF NAME		<input type="checkbox"/> VERIFIED TRANSLATION	
<input type="checkbox"/> SECURITY <input type="checkbox"/> MERGER		<input type="checkbox"/> OTHER:	
EXEC. DATE: June 28, 2001			
EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY) June 28, 2001			
4.5 APPL. NO.(S) OR PAT. NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
A. PAT. APP. NO.(S)		B. PATENT NO.(S)	
NEW APPLICATION 0281516		IF NOT IN ROW 1	
5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:		6. NUMBER INVOLVED:	
Pillsbury Winthrop LLP Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102		APPLNS 1 + PATS 0 = TOTAL 1	
5.5 ATTY DKT:		7. AMOUNT OF FEE ENCLOSED: (Code 581)	
P 0281516		ABOVE TOTAL x \$40 = \$40	
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CLIENT REF.		UNDER ORDER NO 030954	
		dup sheet not required	
		CLIENT NO	
		MATTER NO.	
9.		10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)	
Paul T. Bowen		2	
Signature			
Attorney: Paul T. Bowen		Date: July 6, 2001	
Reg. No. 38009		FAX: (703) 905-2500	
Atty/Sec: PTB/tal		TEL: (703) 905-2020	

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